4756

JOHN C. ROOS
NATIVE PLANTS OF CALIFORNIA
FIELD LABEL

Date: 22 Apr. 1950 Collection No. 4756

Name: Malacothrix clevelandii

Locality: 0.3 miles NE of Summit of Reche Cyn.

County: Riverside Ft. Alt.: 2500

Plant Community:

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species: Penstemon spectabilis, Adenostoma fasciculatum, Phacelia minor

Habitat: 1 year old burn wet moist (dry)

Exposure: sun semishade shade

Plant type: annual biennial perennial climbing
bulbous undershrub shrub tree saprophyte parasite

Height: Spread: Trunk Diam.:

Abundance: dominant abundant common (scattered) infrequent rare

Flower color: Ligules yellow

Misc.:

Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Samarckia aurea (L) Moench

Locality: Loma Linda hill, Loma Linda, S

County: San Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Bromus rubens

Habitat: disturbed slope

Soil: clayish wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4759 Date: 26 Apr '50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Filago californica Nutt.

Locality: Loma Linda, San Bern. Valley

County: San Bernardino State: Calif. Elev. 1100 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Bromus rubens

Habitat: disturbed hillside soil

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4760 Date: 26 Apr. 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Schismus barbatus

Locality: Lucerne Valley, N. base
San Bernardino mts., Calif.

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Bromus rubens

Habitat: sandy roadside

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J.C.R. + L.R.

Collection No. 4761 Date: 26 Apr 58

Remarks:

UCR

4762 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Deschampsia

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Puccinellia Parishii, P. simplex, Myosurus sp.,

Habitat: edge of seep

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent (Rare)

Collected by: J + L Roos

Collection No. 4762 Date: 26 Apr 50

Remarks:

4764

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa sp. secunda Presl. Det. by A.C. Sanders Sept. 1983

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hesperochiron californicus var leporinus, Calochortus striatus, Clomella vocarea + C. parviflora

Habitat: edge of alkaline seep Distichlis stricta

Soil: Clay, alkaline wet moist dry

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4764 Date: 26 Apr 50

Remarks:

Florets have not bloomed yet.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Festuca octoflora Walt.

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Monolopia Nuttallaina, Puccinellia Parishii + P. simplex

Habitat: Moist alkaline seeps.

Soil: Clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. Roos

Collection No. 4765 Date: 26 Apr 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Phacelia Fremontii Torr.

Locality: Rabbit Springs, Mojave Desert

County: S. Bern State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lepidium flavum, Sarcobatus vermiculatus

Habitat: Drying alkaline mud flat

Soil: clay, alkaline wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: bluish-purple; throat yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. Roos

Collection No. 4766 Date: 26 Apr 50

Remarks:

Skunk-like odor.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Plagiobothrys Parishii Johnston

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lepidium flavum, Poecinellia simplex, P. Parishii, etc.

Habitat: Alkaline seep

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4767 Date: 26 Apr. 50

Remarks:

prostrate & semiprostrate stems

Lucerne Valley 7.5

Not in Abs.

19

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Puccinellia Parishii Hitch.

Locality: Rabbit Springs, Moj. Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: P. simplex, Monolopia Nuttalliana, Calochortus striatus

Habitat: Alkaline seeps

Soil: clay, alkaline wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4768 Date: 26 Apr. 50

Remarks:

Note lower panicle branches are spreading to reflexed.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Puccinellia simplex Scribn.

Locality: Rabbit Springs, Moj. Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: P. Parishii, Plagiobothrys Parishii, Calochortus striatus.

Habitat: Alkaline seeps

Soil: clay (alkaline) wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4769 Date: 26 Apr 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa annua L.

Locality: Rabbit Springs
Mojave Desert

County: S. Bern State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hesperochiron californicus
var leptosiphon

Habitat: Alkaline seep

Soil: alkaline (wet) moist dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. + L. Roos

Collection No. 4770 Date: 26 Apr 50

Remarks:

5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Melica imperfecta var refracta Thurb.

Locality: Reche Canyon near Console Springs

County: Riverside State: Calif. Elev. 2000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia calif., Salvia mellifera, S. apiana, Melica imperfecta

Habitat: hillside

Soil: loose wet moist (dry)

Exposure: sun semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: ~~pansy black yellow~~

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. Roos

Collection No. 4771 Date: 29 Apr 50

Remarks:

blades flat, soft pubescent,

5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Melica imperfecta Trin.

Locality: Reche Canyon near Console Springs

County: Riverside State: Calif. Elev. 2000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia calif. Salvia apiana M. imperfecta refracta.

Habitat: Hillside

Soil: loose wet moist (dry)

Exposure: sun semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. Roos

Collection No. 4772 Date: 29 Apr 50

Remarks:

blades narrow, smooth

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stylocline filaginea Gray. ?

Locality: Reche Canyon near Consolo Spring

County: Riv. State: Calif. Elev. 2000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Nemophila Menziesii, Collinsia heterophylla, ~~Festuca~~ Artemisia californica

Habitat: hills steep north hillside

Soil: ~~clay~~ wet (moist) dry

Exposure: sun (semishade) shade (N) E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4773 Date: 29 Apr. 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Helianthemum scoparium var vulgare Jeps.

Locality: ~~Hills~~ Burned slopes, hills 1 mi NE of summit Reche Canyon

County: Riv. State: Calif. Elev. 2700 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Adenostoma fasciculatum

Habitat: burn - 2 yrs old.

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow petals ca 5 mm.

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4774 Date: 29 Apr. 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Mentzelia lindleyi T. & G.

Locality: 158 So. Anderson St. Loma Linda - San Bernardino Valley

County: S. Bern. State: Calif. Elev. 1100 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Poa annua

Habitat: edge of garden plot

Soil: loose, sandy wet moist (dry)

Exposure: (sun) semishade / shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 2½ ft. Spread: 3 ft. Trunk diam.

Flower Color: bright orange

Dominant Abundant Common Scattered Infrequent (Rare) Waif

Collected by: J. C. Roos

Collection No. 4977 Date: 5 May 50

Remarks:

Waif, prob. from seed swept out of car from Rancho Santa Ana Botanic Garden.

UCR

Corona So. 7,5

I 132

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa elegans Hitch

Locality: hills 2 or 3 mi. SW of Corona

County: Riv. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Eriogon foliosus

Habitat: hillside

Soil: clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4778 Date: 6 May 50

Remarks:

UCR

ALBERHILL 7.5 III 383

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Convolvulus ~~occidentalis~~ — cyclostegius

Locality: Santa Ana mts near (Horse) Jeep.
summit of Corona Sky Line Road.

County: Riv. State: Calif. Elev. 3000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Dicentra ochroleuca,
Adenostoma fasciculatum

Habitat: burn - hillside.

Soil: loam - rocky wet moist dry

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) (climbing) bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: cream - white

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4779 Date: 6 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Meconella oregona var denticulata (Greene) Jepson

Locality: Santa Ana mts, head of Hagadora Can. S. of Corona

County: Riv. Co. State: Cal. Elev. 3400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Arctostaphylos dumosa, Sitanion hystrix, Stipa coronata, etc.

Habitat: shaded N slope

Soil: loose wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white petals

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4783 Date: 6 May 50

Remarks:

4784

JOHN C. ROOS

NATIVE PLANTS OF CALIFORNIA

FIELD LABEL

Date: 6 May 1950 (Apiaceae?) Collection No. 4784

Name:

Locality: ridge, Santa Ana Mtns. S. of Corona

County: Riverside, Calif. Ft. Alt.: 3400

Plant Community: upper Sonoran zone

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species: Adenostoma fasciculatum, Quercus dumosa

Habitat: ridges + chaparral slopes wet moist (dry)

Exposure: (sun) + (semishade) shade

Plant type: annual biennial (perennial) climbing
bulbous undershrub shrub tree saprophyte parasite

Height: Spread: Trunk Diam.:

Abundance: dominant abundant (common) scattered infrequent rare

Flower color: yellow

Misc.:

The specimen was destroyed and the original field label badly damaged by insects. This copy was made 3/82.

Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

Corona So 7.5

III 67

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Ceanothus tomentosus oliveaceus Jeps.

Locality: ridge at head of Hagador Can., Santa Ana mts. S. of Corona

County: Riv. State: Cal. Elev. 3400 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Quercus dumosa, Cercocarpus betuloides, Ca

Habitat: ~~dry~~ ridge

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 6 ft Spread: 6 ft Trunk diam.

Flower Color: blue

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4785 Date: 6 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Filago californica Nutt

Locality: head of Hagador Canyon, Santa Ana Mts.

County: Riv State: Cal Elev. 3400 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Adenostoma fasciculatum

Habitat: steep hillside - chaparral

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4786 Date: 6 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Porophyllum gracile Benth.

Locality: Slopes of Tin Mine Canyon, Santa Ana Mts S. of Corona

County: Riv State: Calif. Elev. 2000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Rhus ovata

Habitat: steep rocky slope

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: dull ~~red~~ brownish

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4789 Date: 6 May 50

Remarks:

strong odor to crushed foliage

CORONA SO 7.5

II 206

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Ranunculus hebecarpus H+A.

Locality: Hagadon canyon, Santa Ana Mts.

County: Riv State: Cal. Elev. 1400 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Quercus agrifolia, Habenaria

Habitat: steep slope in dense growth

Soil: rocky wet (moist) dry

Exposure: sun semishade (shade) N E S (W)

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow petals

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4790 Date: 6 May 50

Remarks: UCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Habenaria unalascensis (Spreng.) Wats.

Locality: Hagador Canyon, Santa Ana Mts. S. of Corona

County: Riv. State: Calif. Elev. 1400 ft

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Ranunculus hebecarpus, Quercus agrifolia, Ele.

Habitat: shady under oaks

Soil: rocky wet (moist) dry

Exposure: sun (semishade) shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: dull yellow-green

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4791 Date: 6 May 50

Remarks:

leaves not withering yet

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sherardia arvensis L.

Locality: Loma Linda hill

County: S. Bern. State: Calif. Elev. 1100 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: edge of lawn

Soil: clay wet moist (dry)

Exposure: sun (semishade) shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: lavender

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4792 Date: 7 May '50

Remarks:

BOTANICAL COLLECTIONS OF JOHN [illegible] ROOS
FIELD LABEL

Name: Cleome serrulata Pursh.

Locality: So. E. St. near Santa Ana R. bridge, San Bernardino Valley.

County: S.B. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: sandy field

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 1½ ft. Spread: Trunk diam.

Flower Color: purplish

Dominant Abundant Common Scattered Infrequent Rare (Waif)

Collected by: J.C. Roos

Collection No. 4794 Date: 11 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Hypochoeris glabra L.

Locality: St. Bernardine Hospital
San Bernardino

County: S. Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: lawn

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4795 Date: 11 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Gnaphalium spathulatum Lam.

Locality: St. Bernardine Hosp.

County: S. Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hypochoeris glabra, Cynodon dactylon

Habitat: edge of lawn

Soil: sandy (wet) moist dry

Exposure: sun (semishade) shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4796 Date: 11 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa pratensis L.

Locality: St. Bernardine Hosp. #1
San Bernardino

County: S. Ber. State: Cal. Elev. 1055 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon,
Hypochoeris glabra.

Habitat: lawn, edge of

Soil: sandy wet (moist) dry

Exposure: sun (semishade) shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4797 Date: 11 May 50

Remarks:

apparent escape

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tetradymia glabrata Gray.

Locality: 1 mi. W of Lucerne Valley,

County: S. Bern. State: Calif. Elev. 3000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Acamptopappus sphaerocephalus

Habitat: desert flats

Soil: ~~sandy~~ sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 1½ ft Spread: 2-3 ft Trunk diam.

Flower Color: yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. R.

Collection No. 4798 Date: 18 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Malacothrix Coulteri Gray.

Locality: flats below Rabbit Springs

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian Hudsonian Arctic-Alpine

Assoc. Species: Sphidrium Parryi
Kochia californica

Habitat: alkaline flats.

Soil: alk., sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

under shrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4799 Date: 13 May 50

Remarks:

4800

JOHN C. ROOS
NATIVE PLANTS OF CALIFORNIA
FIELD LABEL

Date: 13 May 1950 Collection No. 4800

Name:

Locality: Flats at Rabbit Springs

County: S. Bernardino Ft. Alt.: 2900

Plant Community:

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species: Lepidium flavum, Lygodesmia exigua

Habitat: Sandy alkaline flats wet (moist) dry

Exposure: (sun) semishade shade

Plant type: (annual) biennial perennial climbing
bulbous undershrub shrub tree saprophyte parasite

Height: Spread: Trunk Diam.:

Abundance: dominant abundant (common) scattered infrequent rare

Flower color: yellow

Misc.:

Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Kochia californica Wats.

Locality: Flats below Rabbit Springs

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sarcobatus vermicularis,

Sepidium flavum.

Habitat: alk. flats

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4801 Date: 13 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sarcobatus vermiculatus (Hook.) Torr.

Locality: Rabbit Springs

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus airoides, Iva axillaris,

Habitat: alkaline flat below springs.

Soil: alk. wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 2-3½ ft. Spread: 3 Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4802 Date: 13 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Lygodesmia exigua Gray.

Locality: Rabbit Springs

County: S. Ber. State: Cal. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lepidium flavum, Artemisia spinescens, Atriplex ssp.

Habitat: alk. flat

Soil: sandy alk. wet moist dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: pale rose

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4803 Date: 13 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eidago depressa Gray

Locality: Rabbit Springs

County: S. Bern. State: Cal. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lygodesmia exigua, Artemisia spinescens, Lepidium flavum

Habitat: sandy flat

Soil: alkaline, wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: JCR

Collection No. 4894 Date: 13 May 50

Remarks:

LUCERNE VALLEY 7.5

III 105

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sidalcea neomexicana var parviflora (Greene) Roush.

Locality: Rabbit Springs

County: S. Bern. State: Cal. Elev. 2900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Calochortus striatus, Puccinellia Parishii

Habitat: alk. seep.

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: rose-purple (drying purple)

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4805 Date: 13 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Gaura sinuata Nutt.

Locality: Canyon about 1 mile S. of Redlands S.P. Station, San Timoteo Canyon

County: S. Bern. State: Calif. Elev. 1500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hemizonia Kelloggii & Astragalus pomonensis

Habitat: gentle slope in canyon

Soil: alluvial wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: pinkish-red

Dominant Abundant Common Scattered Infrequent (Rare)

Collected by: J. C. Roos

Collection No. 4818 Date: 16 May 50.

Remarks:

one spreading clump ca 20 ft across

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Gnaphalium chilense Spreng.

Locality: Highlands.

County: S. Bern. State: Calif. Elev. 1500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Gnaphalium spathulatum

Habitat: edge of irrigated orchard.

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellowish.

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J.C.R.

Collection No. 4813 Date: 16 May 50

Remarks:

= G. peregrinum Fern.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Gnaphalium spathulatum Lam.

Locality: Highland

County: S. Bern. State: Calif. Elev. 1500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Gnaphalium chilense, Erodium cicutarium.

Habitat: edge of irrigated orchard.

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4814 Date: 16 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Festuca elatior L.

Locality: ~~West~~ Central St., Loma Linda, San Bernardino Valley

County: S. Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon, Poa pratensis

Habitat: edge of lawn

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4815 Date: 20 May 50

Remarks:

early anthesis; no rhizomes demonstrated

4816

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Dicentra chrysantha (H & A) Walp.

Locality: Hills NE of summit of Reche Canyon, 1

County: Riverside State: Calif. Elev. 2500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Penstemon spectabilis, Phacelia minor

Habitat: burned hillside

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: deep yellow

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4816 Date: 27 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa coronata Thurb.

Locality: Hills NE of summit of Reche Canyon

County: Riv. State: Cal. Elev. 2500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Penstemon spectabilis, Adenostoma fasciculatum

Habitat: among rocks

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant (Abundant) (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4817 Date: 27 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

= Navarretia a. (Benth.) H. & A.

Name: Gilia atractyloides var ?

Locality: hills NE. of summit of Reche Canyon.

County: Riv. State: Calif. Elev. 2500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Adenostoma fasciculatum, Gilia virgata

Habitat: hard soil in dirt road

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: limb whitish, throat pinkish

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4818 Date: 27 May 50

Remarks:

not strongly scented

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chorizanthe Parryi Wats.

Locality: Hills NE of summit of Reche Canyon

County: Riv. State: Cal. Elev. 2500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian--Hudsonian Arctic--Alpine

Assoc. Species: Adenostoma fasciculatum, Bromus rubens, Stylocline sp.

Habitat: slope,

Soil: disturbed sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white;

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C. Roos

Collection No. 4819 Date: 27 May '50

Remarks:

plant prostrate

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Veronica arvensis L.

Locality: Campus of C.M.E., Loma Linda

County: S. Bern. State: Cal. Elev. 1060 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon, Veronica persica, Sherardia arvensis

Habitat: Lawn

Soil: ~~clay~~ wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: blue-violet

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4820 Date: 28 May 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Veronica persica Poir.

Locality: C.M.E. campus, Loma Linda

County: S. Ber. State: Calif. Elev. 1060 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon, Veronica arvensis

Habitat: lawn

Soil: heavy wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: light blue, & lower lip whitish

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4821 Date: 3 June '50

Remarks:

4822

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: ~~Oxytheca~~ Chorizanthe leptoceras (Gray) Wats.

Locality: Cajon canyon ~~about 3000 ft~~ 1 mile below "blue cut"

County: S. Bern State: Calif. Elev. about 2500 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cercocarpus betuloides, Yucca Whipplei

Habitat: alluvial fan.

Soil: sandy wet moist ~~dry~~

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: prostrate Trunk diam.

Flower Color: pinkish-white

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos & L. Roos

Collection No. 4822 Date: 3 June 50

Remarks:

calyx lobes not cleft or fimbriate

UCR

4823

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex ~~Distichlis?~~ truncata (Torr.) Gray

Locality: Rabbit Springs

County: S. Bern State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Distichlis stricta

Habitat: drying alkaline soil

Soil: hard, alkaline wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: erect Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4823 Date: 3 June '50

Remarks: ~~leaves longer than described (1" lowermost~~
petiolate.

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

Name: Lotus americanus (Nutt.) Bisch. = L. purshianus (Benth.) Clem. + Clem.

Locality: Rabbit Springs, Lucerne Valley, Mojave Desert

County: S. Bern. State: Calif. Elev. 2903 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Polypogon monspeliensis, Poa sp., et.

Habitat: drying alkaline seep.

Soil: clay, alkaline wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: whitish-pink

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4824 Date: June 3, 1950

Remarks:

4825 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa juncifolia Scribn. ?

Locality: Rabbit Springs, Mojave Desert (in Lucerne Valley)

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus asperifolius, Plantago major, Solium perenne, Anemopsis calif.

Habitat: seep

Soil: alkaline seep (wet) (moist) dry

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J. C. Roos & Lucile Roos

Collection No. 4825 Date: 3 June 50

Remarks:

Foliage bluish-green; rhizomes if present at all are very short; ligules apparently ~~wanting~~ very short, 1 mm or less blades flat; sheaths smooth

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa Secunda Presl. Det by E.A. Kellogg May 1933

Locality: Rabbit Springs, Lucerne Valley, Mojave Desert.

County: San Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Calochortus striatus, Distichlis stricta, Hesperochiron calif. var tenuinus, Sporobolus airoides, Cleomella oocarpa, C. parviflora, Sidalcea - var nov.

Habitat: Edges of alkaline seeps

Soil: clay, alkaline wet (moist) dry

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: John & Lucille Roos

Collection No. 4826 Date: 3 June 1950

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex confertifolia (Torr. & Frem.) Wats.

Locality: Lucerne Valley 1 mi SW of Rabbit Springs

County: San Bern. State: Calif. Elev. 2900 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Franseria dumosa

Habitat: desert alkaline flat

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 2 ft. Spread: 2 ft. Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4827 Date: 3 June '50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bromus catharticus Vahl.

Locality: San Bernardino - Second St. between F and G.

County: San Bern. State: Calif. Elev. _____ ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hordeum murinum

Habitat: edge of sidewalk, etc.

Soil: hard wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4828 Date: 9 June 50

Remarks:

sheaths pilose

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL = A. stolonifera L.

Name: Agrostis alba L.

Locality: Loma Linda - west
Central St.

County: San Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: ~~lawn~~ edge of lawn

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: reddish panicles

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4829 Date: 11 June '50

Remarks:

has rhizomes

UCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bromus japonicus Thunb.

Locality: West Central, Loma Linda

County: San Bern State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon,

Habitat: edge of lawn

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant ~~Common~~ Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4830 Date: 11 June '50

Remarks:

JCR

4831

JOHN C. ROOS
NATIVE PLANTS OF CALIFORNIA
FIELD LABEL

Date: 11 June 1950 Collection No. 4831

Name: Plantago aristata Michx

Locality: West Central St, Loma Linda

County: San Bernardino Ft. Alt.: 1000

Plant Community:

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species:

Habitat: lawn wet (moist) dry

Exposure: (sun) semishade shade

Plant type: annual biennial (perennial) climbing
bulbous undershrub shrub tree saprophyte parasite

Height: Spread: Trunk Diam.:

Abundance: dominant abundant common scattered (infrequent) rare

Flower color:

Misc.:

Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

4832

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL ?

Name: Holcus mollis L.

Locality: Loma Linda, San Bernardino Valley

County: San Bern. State: Calif. Elev. 1060 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: edge of lawn

Soil: clayish wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J. C. Roos

Collection No. 4832 Date: 22 June '50

Remarks:

4833

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Madia dissitiflora (Nutt) T+G.

Locality: Dike Creek drainage near Running Springs, San Bernardino Mts.

County: S. Bern. State: Calif. Elev. 5500 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition (Humid Transition) Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus ponderosa, Agoseris grandiflora, etc.

Habitat: sunny bank

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: (annual) biennial perennial climbing bulbous undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow rays, inconspicuous.

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4833 Date: 24 June '50

Remarks: UCR

4836

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Agoseris retrorsa (Benth) Hoover

Locality: Moonridge, Bear Valley, San Bernardino mts.

County: S. Bern. State: Calif. Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus Jeffreyi, Elymus glaucus, Potentilla gracilis

Habitat: edge of meadow

Soil: dry, loamy wet moist (dry)

Exposure: sun (semishade) shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4836 Date: 24 June '50

Remarks: [redacted]

4837

= pedunculata

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Nemophila sepulta Parish

Locality: Moonridge, Bear Valley, San Bernardino Mts

County: S. Ber State: Calif — Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Veratrum californicum, Poa pratensis, Salix Scouleriana

Habitat: damp meadow

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4837 Date: 24 June '50

Remarks:

UCR

4838

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Lepidium virginicum L.

Locality: Moonridge, Bear Valley

County: S. Bern. State: Calif. Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Phlox bernardina, Poa pratensis

Habitat: dry edge of meadow

Soil: hard wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual ? biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4838 Date: 24 June '50

Remarks:

UCR

4839

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stellaria Jamesiana Torr.

Locality: Moonridge, Bear Valley, San Bernardino mts.

County: S. Ber. State: Calif. Elev. 7500 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition Humid Transition Canadian--Hudsonian Arctic--Alpine

Assoc. Species: Abies concolor, Salix Scouleriana, Phlox bernardina

Habitat: edge of meadow under firs, etc.

Soil: loam wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4839 Date: 24 June 50

Remarks:

UCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Allium Parryi Wats

Locality: Moonridge, Bear Valley

County: S. Bern. State: Calif. Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Quercus Kelloggii, Pinus Jeffreyi

Habitat: dry slope

Soil: dry loamy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing (bulbous)

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: lavender

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4840 Date: 24 June 50

Remarks:

VCR

JOHN C. ROOS

NATIVE PLANTS OF CALIFORNIA

FIELD LABEL

Date: 24 June 1950 Collection No. 4841

Name: Calochortus invenustus

Locality: Moonridge, Bear Valley

County: San Bernardino Ft. Alt.: 7300

Plant Community:

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species: Poa pratensis, Lupinus andersonii

Habitat: edge of a meadow wet moist (dry)

Exposure: (sun) semishade shade

Plant type: annual biennial perennial climbing
bulbous undershrub shrub tree saprophyte parasite

Height: Spread: Trunk Diam.:

Abundance: dominant abundant common (scattered) infrequent rare

Flower color: lavender

Misc.: loamy soil

Det. by A.C. Sanders July 1981 Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

4842 9

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa lemmonii (Vasey) Scribn.

Locality: Moonridge, Bear Valley, San Bernardino mts.

County: S. Ber. State: Calif. Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Poa pratensis, Pinus Jeffreyi, Quercus Kelloggii, Agoseris retrorsa

Habitat: dry slope, open places

Soil: loamy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos & L. Roos

Collection No. 4842 Date: 24 June 50

Remarks: 1st glume 5-nerved

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Frankenia grandiflora var campestris Gray.

Locality: Alk. flats at Rabbit Springs, Mojave Desert, Calif.

County: S. Bern. State: _____ Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Suaeda Torreyana var ramosissima

Habitat: alk. flat

Soil: alk.-clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: whitish

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4893 Date: 24 June 50

Remarks:

UCR

4844

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex Truncata (Torr.) Gray

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex phyllostegia, Distichlis stricta

Habitat: edge of alkaline seep

Soil: heavy clay, alk. wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4844 Date: 24 June 50

Remarks: UCR

4845

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex torreyi (wats.) Wats

Locality: Flats at Rabbit Springs, Mojave Desert.

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: ~~Lower Sonoran~~ Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex confertifolia, Suaeda Torreyana var ramosissima

Habitat: alkaline flat

Soil: alk-clayish wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 3 ft. Spread: 3 ft. Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4845 Date: 24 June 50

Remarks:

Det. by A.C. Sanders Aug. 1981

4846

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa pratensis L.

Locality: Boulder Bay, Bear Valley
SB Mtns.

County: S. Bern. State: Calif. Elev. 6800 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
(Humid Transition) Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor, Pinus Lambertiana

Habitat: roadside

Soil: sandy, rocky wet (moist) dry

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4846 Date: 24 June 50

Remarks:
UCR has rhizomes

4847

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Holcus lanatus L.

Locality: C.M.E. campus, Loma Linda
College of Medical Evangelists

County: San Bern. State: Calif. Elev. 1060 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian--Hudsonian Arctic--Alpine

Assoc. Species: Cynodon dactylon, Euphorbia Peplus,

Habitat: edge of lawn

Soil: clay wet (moist) dry

Exposure: sun (semishade) shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4847 Date: 28 June 50

Remarks:

UCR

finchgrass

4848

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Poa compressa L.

Locality: 414 Stewart St., Loma Linda

County: San Bern. State: Calif. Elev. 1060 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: edge of lawn

Soil: clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. and L. Roos

Collection No. 4848 Date: 5 July '50

Remarks:
UCR has rhizomes

4849

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

Name: Polypogon semiverticillatus Agrostis verticillata

Locality: Loma Linda

County: S. Bern State: Calif. Elev. 1100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: flower bed

Soil: clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4849 Date: 5 July 50

Remarks:

UCR

4850

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Ribes Parishii Heller

Locality: Whittier Narrows, San Gabriel R. bottom near Whittier,

County: Los Ang. State: Calif. Elev. 200? ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cornus californica, Vitis girdiana, Populus trichocarpa

Habitat: damp bottomland

Soil: sandy wet (moist) dry

Exposure: sun (semishade) shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 5 ft. Spread: 5 ft. Trunk diam.

Flower Color: —

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: ~~J. C. Roos~~ J. & L. Roos

Collection No. 4850 Date: 15 July 50

Remarks:

UCR

berries purple, smooth.

JOHN C. ROOS

NATIVE PLANTS OF CALIFORNIA

FIELD LABEL

Date: 15 July 1950 Collection No. 4851

Name: Cornus x californica

Locality: Whittier Narrows, San Gabriel River bed

County: Ft. Alt.:

Plant Community:

1. Coastal Strand
2. Coastal Salt Marsh
3. Freshwater Marsh
4. Northern Coastal Scrub
5. Coastal Sage Scrub
6. Closed-cone Pine Forest
7. Redwood Forest
8. Mixed Evergreen Forest
9. Foothill Woodland
10. Southern Oak Woodland
11. Chaparral
12. Valley Grassland
13. Yellow Pine Forest
14. Red Fir Forest
15. Lodgepole Forest
16. Subalpine Forest
17. Alpine Fell-fields
18. Northern Juniper Woodland
19. Pinyon-Juniper Woodland
20. Joshua Tree Woodland
21. Sagebrush Scrub
22. Shadscale Scrub
23. Creosote Bush Scrub
24. Alkali Sink

Associated Species: Ribes parishii, Populus trichocarpa

Habitat: Damp bottom land sandy soil wet (moist) dry

Exposure: sun semishade shade

Plant type: annual biennial perennial climbing
bulbous undershrub (shrub) tree saprophyte parasite

Height: 8-10 ft. Spread: 20 ft. Trunk Diam.:

Abundance: dominant abundant (common) scattered infrequent rare

Flower color: White

Misc.: berries white.

Sheets collected

DISTRIBUTION: RSA CAS UC UCLA DS US LSC NY MO HARV

4852

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Potamogeton crispus L.

Locality: Whittier Narrows, San Gabriel R. bottom near Whittier

County: L.A. State: Calif. Elev. 200? ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: submerged in 6-10" stagnant water.

Soil: mud bottom wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. L. Roos

Collection No. 4852 Date: 15 July 50

Remarks: UCR
leaf margins strongly undulate

4853

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Geranium molle L.

Locality: Santiago St. + 22nd. Ave.
San Francisco

County: S.F. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: lawn

Soil: sandy wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual?) biennial (perennial?) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: rose-purple

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4853 Date: 19 July 50

Remarks:
petals cleft
JCR

4854 BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Franseria chamissonis Less.

Locality: Santiago St. + 22nd Ave.,
San Francisco

County: SF State: Calif Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lupinus arboreus, etc.

Habitat: sand dunes

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: prostrate - 4 ft. Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4854 Date: 19 July 38

Remarks:

4855

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Lupinus arboreus Sims

Locality: Santiago St. + 22 nd. Ave. San Francisco "

County: S.F. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian--Hudsonian Arctic--Alpine

Assoc. Species: Franseria chamissonis

Habitat: sand dune

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 4-5 ft. Spread: 4 ft. Trunk diam.

Flower Color: yellow

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4855 Date: 19 July 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Artemisia pycnocephala DC.

Locality: San Francisco

County: SF. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lupinus arboreus

Franseria chamissonis

Habitat: sand hills

Soil: sandy wet moist dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 2 ft. Spread: 2 ft + Trunk diam.

Flower Color: yellowish.

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4856 Date: 19 July 50

Remarks:

4857 "Dune Tansy"

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tanacetum camphoratum Less.

Locality: San Francisco, Santiago St & 22nd Ave.

County: S.F. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia pycnocephala
Franseria chamissonis.

Habitat: sand hills

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4857 Date: 19 July 50

Remarks:
UCR

4858

= Marah fabaceus

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Echinocystis fabacea Naud.

Locality: San Francisco, ~~S~~ Santiago St + 22nd Ave.

County: SF. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia pycnocephala, Lupinus arboreus

Habitat: sand hills

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial (climbing) bulbous
undershrub ~~shrub~~ tree parasite saprophyte

Height: 4 Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4858 Date: 19 July 50

Remarks:

4 UCR

4859

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Baccharis pilularis var

Locality: San Francisco, Santiago St. + 22nd Ave.

County: S.F. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia pycnocephala

Habitat: sand hills

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: 1 ft. Spread: 4 ft. Trunk diam.

Flower Color: white

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4859 Date: 19 July 58

Remarks:
UCR

4860

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Ammophila arenaria (L) Link.

Locality: San Francisco, Santiago St. + 22nd Ave.

County: SF. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Lupinus arboreus, Artemisia tridentata

Habitat: sand hills

Soil: sandy wet moist (dry)

Exposure: sun semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

has rhizomes

Height: Spread: Trunk diam.

Flower Color:

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4860 Date: 19 July 50

Remarks: UCR

4863

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Navarretia squarrosa (Esch.) H+A.

Locality: San Francisco at City College

County: SF. State: Calif. Elev. 300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hordium murinum.

Habitat: roadside

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: blue

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by:

Collection No. 4863 Date: 20 July 50

Remarks:

strong skunk-like odor

111

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Festuca

Locality: San Francisco, City College

County: SF State: Calif. Elev. 300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: /

Habitat: field

Soil: Clay wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4864 Date: 20 July 50

Remarks:

rhizomes present.

4865

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Agrostis tenuis Sibth. Dop. det. L. Tolin

Locality: San Francisco, City College

County: SF State: Cdy. Elev. 300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian--Hudsonian Arctic--Alpine

Assoc. Species: Malva borealis, Navarretia squarrosa

Habitat: edge of field.

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4865 Date: 20 July 50

Remarks:

UCR

4866

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brodiaea laxa

Locality: Jenner

County: Sonoma State: Calif. Elev. 100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic--Alpine

Assoc. Species: Baccharis pilularis

Habitat: coastal bluff

Soil: clay wet moist dry

Exposure: sun (semishade) shade (N) E S W

Plant type: annual biennial perennial climbing (bulbous)

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: deep purple-blue

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4866 Date: 27 July '50

Remarks:

composite. Helianthinae

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Lasthenia macrantha (Gray) Greene Det. AC. Sanders Sept. 1983

Locality: Jenner

County: Sonoma State: Calif. Elev. 100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Eriogon maritimus

Habitat: sea bluffs

Soil: clay, rocky wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: disc, rays yellow

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4867 Date: 22 July 50

Remarks:

rays yellow, pappus none

UCR

4868

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Monardella villosa franciscana Jepr

Locality: Jenner

County: Sonoma State: Cal Elev. 100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Rhus diversiloba

Habitat: slopes above sea bluffs

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: lavender

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4868 Date: 22 July 50

Remarks:

4869

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Calamagrostis nutkaensis (Presl.) Steud.

Locality: Jenner

County: Sonoma State: Calif. 100 to 200 Elev. _____ ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Rhus diversiloba, Monardella villosa var franciscana. + Potentilla (4870)

Habitat: slopes above ocean bluffs

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: upto 4 ft. Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4869 Date: 22 July 50

Remarks:

No rhizomes seen.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Gilia ? Allophyllum

Locality: 2 mi. e of Duncan Mills

County: Sonoma State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium Botrys

Habitat: sand bar along drying stream bed

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: pink

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J + L. Roos

Collection No. 4873 Date: 22 July 50

Remarks:

UCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Galium

Locality: 2 mi. e of Duncan Mills

County: Sonoma State: Calif Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium Botrys

Habitat: sand bar along drying streambed

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4875 Date: 22 July 50

Remarks:

UCR

no odor to foliage

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Navarretia

Locality: 2 mi. e of Duncan Mills

County: Sonoma State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium Botrys, etc.

Habitat: sand bar along drying stream-bed

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white, stamens exserted

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4876 Date: 22 July 50

Remarks:

UCR

no odor to foliage

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Navarretia

Locality: 2 mi. E. of Duncan Mills

County: Sonoma State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium botrys

Habitat: sand bar along drying stream bed

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: blue-purple, stamens exserted

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. + L. Roos

Collection No. 4877 Date: 22 July 50

Remarks:

UCR

skunk-odor

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Navarretia

Locality: 2 miles east of Duncan Mills

County: Sonoma State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium Botrys

Habitat: sand bar along drying streambed

Soil: loam wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: blue — stamen not exserted

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4878 Date: 22 July 50

Remarks:

4878-UCR

4879 or A. joaquiniana ? Nelson

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex canescens Nelson ?

Locality: Monolith lake

County: Kern State: Calif. Elev. 3900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: annual Salicornia (4880)
Cressa truxillensis, Puccinellia nuttalliana

Habitat: drying alkaline mud

Soil: drying clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4879 Date: 24 July 50

Remarks:

See my nos. 2150 & 4701 also

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Salicornia europaea L.

Locality: Monolith dry lake bed

County: Kern State: Calif. Elev. 3900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex sp. (#4879), Cressa truxillensis

Habitat: drying alkaline mud

Soil: hard clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

(Dominant) (Abundant) Common Scattered Infrequent Rare

Collected by: J. C. Roos & L. Roos

Collection No. 4880 Date: 24 July 50

Remarks:

UCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Puccinellia Nuttalliana (Schult.) Hitch.

Locality: Monolith dry lake bed

County: Kern State: Calif Elev. 3900 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex sp. (#4879), Salicornia (4880)

Habitat: drying alkaline mud

Soil: drying clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4881 Date: 24 July 50

Remarks:

bunch-grass up to 8" diameter

BOTANICAL COLLECTIONS OF JOHN C. ROOS
? FIELD LABEL

Name: Festuca

Locality: Shafter

County: Kern State: Calif Elev. 400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Tribulus terrestris.

Habitat: along edge of building - among weeds

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4882 Date: 24 July 50

Remarks:

no rhizomes apparent

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa Lettermanii (Vasey) Scribn.

Locality: Mill Creek at jctn
c Vivian Creek, San Bern. Mts

County: S. Bern. State: Calif. Elev. 6200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor

Habitat: Open places among firs

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4883 Date: 29 July 50

Remarks:

no rhizomes

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia squarrosa (Trin.) Trin. Rydb.

Locality: Mill Creek at junction of High Creek, San Bernardino Mts.

County: S. Bern. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Trisetum spicatum, Muhlenbergia andina

Habitat: grassy garden on steep N. slope.

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4884 Date: 29 July 50

Remarks:
rhizomes present.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Agrostis exarata Trin. ?

Locality: Mill Cr. at jctn. of High Creek, San Bernardino mts.

County: S. Ber. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Trisetum spicatum
Muhlenbergia andina

Habitat: grassy garden on steep N. slope

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4885 Date: 29 July 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Trisetum spicatum (L) Richt.

Locality: Mill Creek at junction with High Creek, San Bernardino Mts.

County: S. Ber. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition (Humid Transition) Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia andina, M. squarrosa, etc.

Habitat: grassy sod "garden" on steep north slope

Soil: sandy wet (moist) dry

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4886 Date: 29 July 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia andina (Nutt) Hitch

Locality: Mill Creek at Marble Quarry, San Bernardino Mt.

County: San Bern. State: Calif. Elev. 6800 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

(Humid Transition) Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia californica

Deschampsia elongata

Habitat: moist springy edge of wash

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4887 Date: 29 July 50

Remarks:

4888

3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus cryptandrus (Torr.) Gray

Locality: 3 mi. West of Valley Wells

County: S. Bern State: Calif. Elev. 3800 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hilaria Jamesii, Muhlenbergia Porteri
Yucca brevifolia var Wolfei

Habitat: sandy slope

Soil: sandy wet (moist) dry

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4888 Date: 4 Aug 50

Remarks:

4889 ✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia Porteri Scribn.

Locality: N. slopes Clark mts. 4000 ft.

County: S. Bern. State: Calif. Elev. 4000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Yucca brevifolia Wolfei,
Bouteloua eriopoda

Habitat: rocky slopes

Soil: rocky wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual ~~biennial~~ (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4889 Date: 4 Aug 50

Remarks:

4890

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bouteloua eriopoda (Torr.) Torr.

Locality: N. slopes Clark Mts.

County: S. Bern. State: Calif. Elev. 4000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia Porteri, Trichloris mutica

Habitat: rocky slopes

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4890 Date: 4 Aug 50

Remarks:

√ Det. P. A. Munz

8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Euphorbia ~~Bongi~~ revoluta Engelm.

Locality: N. slopes Clark mts.

County: S. Bern. State: Calif. Elev. 4000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia Porteri, Triodia mutica
Boerhaavia Wrightii, ~~[illegible]~~ etc.

Habitat: rocky slope

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: erect Spread: Trunk diam.

Flower Color:

Dominant Abundant locally Common Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4891 Date: 4 Aug 50

Remarks:

~~[illegible]~~ leaves maroon color.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Boerhaavia Wrightii Gray.

Locality: N. slopes Clark Mts.,
E. Mojave desert

County: San Bernardino State: Calif. Elev. 4000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Euphorbia (heterophylla)
Triodia mutica, Yucca brevifolia Wolfe

Habitat: rocky slope

Soil: _____ wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant (Locally Common) Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4892 Date: 4 Aug 50

Remarks:

Det. P.A. Munz

8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: ~~Viguiera~~ Sanvitalia Aberti Gray

Locality: 1 mi. S. of Coliseum mine, Clark Mts.

County: San Bern. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: ~~Mirabilis Froebelii~~, Coleogyne ramosissima, Agave utahensis nevadensis

Habitat: rocky slopes

Soil: rocky (limestone) wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: rays 3-6, yellow, bifid at apex

Dominant Abundant Common locally Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4893 Date: 5 Aug 50

Remarks:

See # 4954 also.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa arida Jones.

Locality: rocky limestone ridge about 1½ miles SW of Coliseum Mine, Clark mts. E. Mojave desert.

County: S. Bern. State: Calif. Elev. 5700 ft.

Life Zone: Lower Sonoran ~~Upper Sonoran~~ Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Muhlenbergia asperi, Triodia mutica

Habitat: around & under pines

Soil: rocky (limestone wet ~~moist~~ dry

Exposure: sun + semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4894 Date: 5 Aug 50

Remarks:

7

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Stipa coronata var deparyerata (Jones) Hitch.

Locality: N. slopes Clark mts. ~~ox~~ ~~rocky ridge~~, S. Mojave desert

County: S. Bern State: Calif. Elev. 5700 ft.

Life Zone: Lower Sonoran Upper Sonoran ~~Arid Transition~~

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Muhlenbergia arsenei, Stipa arida

Habitat: rocky limestone ridge

Soil: rocky wet ~~moist~~ dry

Exposure: ~~sun~~ ~~semishade~~ shade N E S W

Plant type: annual biennial ~~perennial~~ climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant ~~Common~~ Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4895 Date: 5 Aug 50

Remarks:

10

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia arsenei Hitch.

Locality: 1½ mi. SW of Coliseum mine, Clark Mts, E Mojave Desert

County: S. Bern State: Calif. Elev. 5700 ft.

Life Zone: Lower Sonoran Upper Sonoran ~~Arid Transition~~ Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Agave utahensis var nevadensis, Trichia mutica, Stipa arida

Habitat: rocky ridge, in crevices, etc.

Soil: limestone wet ~~moist~~ dry

Exposure: (sun) ~~semishade~~ shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4896 Date: 5 Aug 50

Remarks:

5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus cryptandrus (Torr.) Gray

Locality: 1½ mi. SW of Coliseum Mine
Clark mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran ~~Arid~~ Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Triodia mutica,
Agave utahensis var nevadensis, Pinus monophyll.

Habitat: rocky slope

Soil: limestone wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant, Abundant Common Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4897 Date: 5 Aug 50

Remarks:

✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Aristida purpurea Nutt.

Locality: limestone ridge 1½ miles SW of Coliseum mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Agave utahensis var. nevadensis, ~~Muhlen~~ Triodia mutica

Habitat: cracks in rocky ridge

Soil: limestone rock wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4898 Date: 5 Aug 50

Remarks:

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Pappophorum Wrightii, S. Wats.

Locality: 1 mile SW of Coliseum mine, Clark Mts., E. Mojave desert Calif.

County: S. Bern State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Eragrostis (4900)
Bouteloua curtipendula

Habitat: canyon bottom

Soil: sandy ~~clay~~ wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial?) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered (Infrequent) (Rare)

Collected by: J. C. & A. R. Roos

Collection No. 4899 Date: 5 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eragrostis ciliaensis (All.) Link.

Locality: 1 mi. SW of Coliseum Mine, Clark Mtn. E. Mohave Desert.

County: S. Ber State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Bouteloua curtipendula, Pappophorum wrightii

Habitat: sandy wash.

Soil: _____ wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4900 Date: 5 Aug 58

Remarks:

✓

3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bouteloua curtipendula (Michx) Torr.

Locality: 1 mi. SW of Coliseum Mine, Clark Mts. E. Mojave Desert

County: S. Bern State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla. Juniperus utahensis

Habitat: rocky banks

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4901 Date: 5 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia incana Gray

Locality: Wash below Coliseum mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5000 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Fallugia paradoxa, Fransenia eriocentra

Habitat: sandy wash

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 2½ ft Spread: 2½ ft. Trunk diam.

Flower Color: purplish

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: JC + A.R. Roos

Collection No. 4902 Date: 5 Aug 50

Remarks:

8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tetradymia argyraea Munz & Roos

Locality: Coliseum Mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Elymus salina, Ephedra viridis, Pinus monophylla

Habitat: N. north slope near top ridge

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 2½ Spread: 2½ Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4903 Date: 5 Aug 50

Remarks:

V

7

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Kallstroemia parviflora Norton

Locality: Coliseum mine, Clark mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hilaria Jamesii,
Coleogyne ramosissima

Habitat: slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: semiprostrate stems Trunk diam. _____

Flower Color: Yellow-orange

Dominant Abundant (Common) Scattered Infrequent Rare
locally

Collected by: JC & AR Roos

Collection No. 4904 Date: 5 Aug 50

Remarks:

✓

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Amaranthus Torreyi (Gray) Benth.

Locality: Coliseum mine, Clark mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Hilaria Jamesii, Kallstroemia parviflora.

Habitat: slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4905 Date: 5 Aug 50

Remarks:

UCR

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Aristida longiseta var robusta Merr.

Locality: N. slopes Clark mts. along Power line road

County: S. Bern. State: Calif. Elev. 4200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Baileya multiradiata, Tridia pulchella.

Habitat: rocky bench.

Soil: rocky clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JC + AR Roos

Collection No. 4906 Date: 5 Aug 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia Porteri Scribn.

Locality: E. end Kingston mts., Eastern Mojave Desert

County: S. Bern. State: Calif. Elev. 3500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Eurotia lanata, Hilaria rigida

Habitat: desert slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: JC + AR Roos

Collection No. 4907 Date: 5 Aug. 50

Remarks:

14

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tetradymia argyraea Munz & Roos

Locality: 0.1 miles S. of Tecopa Pass, Kingston Mts, San Bern. Co. Calif.

County: _____ State: _____ Elev. 5000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia tridentata, Purshia glandulosa

Habitat: dry rocky slope

Soil: _____ wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 2 ft. Spread: 3 ft Trunk diam. _____

Flower Color: yellow

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J.C. + A.R. Roos

Collection No. 4908 Date: 6 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus cryptandrus (Torr.) Gray.

Locality: Tecopa Pass, Kingston Mts.

County: S. Bern. State: Calif. Elev. 5000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia tridentata, Purshia glandulosa, Tetradymia axyphata

Habitat: rocky slope

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. Roos & A. R. Roos

Collection No. 4909 Date: 6 Aug 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Nolina Parryi ssp. Wolfii munz
Nolina Wolfei Munz

Locality: Kingston mts, ridge NE of Kingston Pk.

County: S. Bern. State: Calif. Elev. 7000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: * Pinus monophylla
Juniperus utahensis

Habitat: steep rocky slope

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: 12 ft. Spread: 7 ft. Trunk diam. 1½ ft.

Flower Color: none seen

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos & A. R. Roos

Collection No. 4910 Date: 6 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Abies concolor Lindl. & Gord.

Locality: N. slope Knigston Peak

County: S. Ber. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Heuchera rubescens var?,
Ribes velutinum, Acer glabrum.

Habitat: steep N. slope

Soil: very rocky wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub (tree) parasite saprophyte

Height: 30-40 ft Spread: Trunk diam. 2½ ft.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4911 Date: 6 Aug '50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Datura meteloides D.C.

Locality: Ridge NE of Kingston Pk, Kingston Mts.

County: S. Bern State: Calif. Elev. 7000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Nolina Wolfei

Habitat: burn - (prob. lightening)

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N' (E) S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: whitish-purple

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J. C. Roos & A. R. Roos

Collection No. 4912 Date: 6 Aug 50

Remarks:

V 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Monardella linoides Gray?

Locality: N. slopes Kingston Pk., Kingston Mts.

County: S. Bern. State: Calif. Elev. 7100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor, Acer glabrum, Pinus monophylla.

Habitat: among rocks, steep north slope

Soil: wet moist (dry)

Exposure: sun (semishade) shade (N) E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 1½-2 ft. Spread: 2½ ft. Trunk diam.

Flower Color: purple-lavender

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos + A. R. Roos

Collection No. 4913 Date: 6 Aug 50

Remarks:
Appears much more woody than any monardella I've seen before
J.C.R.

Halimolobos diffusa var. Jaegeri (Munz) Rollins. 3 det by P.A.M.

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

Name: Sisymbrium diffusum var. Jaegeri Munz

Locality: base of cliff, n. face Kingston peak Kingston mts.

County: S. Ber. State: Calif. Elev. 7100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor, Heuchera pubescens var?

Habitat: among rocks

Soil: _____ wet ~~moist~~ (dry)

Exposure: sun (semishade) shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: white

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos & A. R. Roos

Collection No. 4914 Date: 6 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

5

Name: Acer glabrum Torr.

Locality: N. slope Kingston Peak, Kingston mts.

County: S. Bern. State: Calif. Elev. 7100 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor, Ribes velutinum, Heuchera rubescens var?

Habitat: steep n. slope, in crevices

Soil: rocky wet moist dry

Exposure: sun (semishade) shade (N) E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 12 ft. Spread: 8 ft. Trunk diam. 2"

Flower Color:

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J C Roos + A. R. Roos

Collection No. 4915 Date: 6 Aug 50

Remarks:

2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eriogonum sulcatum Wats.

Locality: among rocks, ridge NE of Kingston Peak, Kingston mts.

County: S. Bern. State: Calif. Elev. 7000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Juniperus utahensis

Habitat:

Soil: rocks wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 1 ft. Spread: 1 ft. Trunk diam.

Flower Color: white

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4916 Date: 6 Aug 50

Remarks:

✓ Det. P. A. Munz 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Hydrocotyle verticillata Thunb. ~~Cascada~~ C. & R.

Locality: China Ranch, NE San Bernardino Co. Calif.

County: _____ State: _____ Elev. 1300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Salix

Habitat: along slow stream under willows

Soil: mud (wet) moist dry

Exposure: sun semishade (shade) N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant locally (Common) Scattered Infrequent Rare

Collected by: JC & AR Roos

Collection No. 4917 Date: 7 Aug 50

Remarks:

✓ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex lentiformis (Torr.) Wats.

Locality: China Ranch, NE San Bernardino Co.

County: _____ State: Calif. Elev. 1300 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Prosopis pubescens & P. chilensis

Habitat: edge of oasis

Soil: alkaline wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 8 ft. Spread: 10 ft. Trunk diam. _____

Flower Color: _____

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC & AR. Roos

Collection No. 4918 Date: 7 Aug 50

Remarks:

dioecious

✓ Det. P. A. Munz 5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Convolvulus sepium var communis Tryon

Locality: Swamp, Chino Ranch
NE San Bernardino Co.

County: _____ State: Calif. Elev. 1300 ft

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Salix Hindsiana var leuco-
Scirpus M. dendroides, Solidago confinis

Habitat: swamp.

Soil: / wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: 9 ft. Spread: _____ Trunk diam. _____ *7J

Flower Color: ? see below

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JC & AR Roos

Collection No. 4919 Date: 7 Aug 50

Remarks:
Only dried corollas found - color not observed but apparently whitish as seen on one. Stigmas linear.

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Veronica americana Schwein

Locality: Beck's Spring, Kingston Mts.

County: S. Bern. State: Calif. Elev. 4500 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Agrostis verticillata

Habitat: drainage from watering trough

Soil: alluvial wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: bluish -

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. & A. R. Roos

Collection No. 4920 Date: 7 Aug 50

Remarks:

✓ 5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eragrostis ~~caida Hitch~~ ?

Locality: Becks Spring + Kingston Mts.

County: S. Bern. State: Calif. Elev. 4500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Veronica americana, Agrostis verticillata

Habitat: edge of seep

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant (locally) Abundant Common Scattered Infrequent Rare

Collected by: JC + AR Roos

Collection No. 4921 Date: 7 Aug 50

Remarks:

2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chenopodium Fremontii var incanum (Wats.) Aell. Aon.

Locality: Becker Spring, Kingston mts.

County: S. Bern. State: Calif. Elev. 4500 ft

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Agrostis verticillata

Habitat: near watering trough

Soil: alluvial wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: JC & AR Roos

Collection No. 4922 Date: 7 Aug 50

Remarks:

✓ 5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Aster paniculatus Nutt.

Locality: Tecopa, in alkaline meadows

County: Inyo State: Calif Elev. 1400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Helianthus Jaegeri,
Distichlis stricta, Cordylanthus tecopensis

Habitat: alk. meadow

Soil: _____ wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: rays pale lavender ~~blue~~

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JC & A.R. Roos

Collection No. 4923 Date: 7 Aug 50

Remarks:

√ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus airoides Torr.

Locality: alkaline flats, Tecopa

County: Inyo State: Calif. Elev. 1400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Prosopis pubescens +
P. chilensis, Distichlis

Habitat: ed

Soil: alk. wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J C + A R Roos

Collection No. 4924 Date: 7 Aug 50

Remarks:

2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex Parryi Wats. Det. P. A. Munz

Locality: dry hills near Tecopa,

County: Inyo State: Calif. Elev. 1400 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex hymenelytra, A. Parryi

Habitat: desert hillside

Soil: rocky wet moist dry

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 1 ft. Spread: 2 ft. Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent (Rare)

Collected by: J. C. & A. R. Roos

Collection No. 4925 Date: 7 Aug 50

Remarks: only 1 bush found - apparently staminate

♀ only ✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex Parryi Wats.

Locality: dry alkaline rocky hills, Tecopa

County: Inyo State: Calif. Elev. 1400 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex hymenelytra

Habitat:

Soil: rocky, alkaline wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 1½ ft. Spread: 2 ft. Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4926 Date: 7 Aug 50

Remarks:

See # 4726 - same locality

✓ 5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Centaurium exaltatum (Griseb) Wight

Locality: alkaline meadows, Tecopa

County: Inyo State: Calif. Elev. 1400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Condylanthus tecopensis,
Distichlis stricta

Habitat:

Soil: wet (moist) dry

Exposure: (sun) semishade shade N E S (W)

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: pink

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC + AR Roos

Collection No. 4927 Date: 7 Aug 50

Remarks:

√ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Helianthus Jaegeri Heiser

Locality: Alkaline mdws., Tecopa Inyo Co.

County: _____ State: Calif. Elev. 1408 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cordylanthus tecopensis, Aster pauciflorus, Distichlis stricta

Habitat: alkaline meadows

Soil: _____ wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: up to 5 ft. Spread: _____ Trunk diam. _____

Flower Color: rays orange-yellow

(Dominant) to (Abundant) Common Scattered Infrequent Rare

Collected by: JC & AR Roos

Collection No. 4928 Date: 7 Aug 50

Remarks:

✓

14

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Cordylanthus tecopensis Munz & Roos

Locality: alkaline meadows, Tecopa

County: Inyo State: Calif. Elev. 1400 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Aster paniculatus, Distichlis stricta,
Haplopappus paniculatus, Helianthus Jaegeri

Habitat: alk. meadows

Soil: alk. wet (moist) dry

Exposure: (sun) semishade shade N E S (W)

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color pale lavender - ~~pink~~

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J C & A R Roos

Collection No. 4929 Date: 7 Aug 50

Remarks:

J 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex Torreyi Wats

Locality: 1 mi. N. of Oro Grande +
~~Victo~~

County: San Bern. State: Calif. Elev. 2600 ft.

Life Zone: (Lower Sonoran) Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: flats

Soil: alkaline-sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 4-5 ft. Spread: same Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4930 Date: 8 Aug 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex Toreyi Wats

Locality: Rabbit Springs, Mojave Desert

County: S. Bern. State: Calif. Elev. 2900 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Atriplex confertifolia, Suaeda torreyana ramosissima

Habitat: alkaline flats

Soil: alk. clay wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: 3½ ft. Spread: 3 ft - Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JC + A.R. Roos

Collection No. 4931 Date: 8 Aug. 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus cryptandrus (Torr) Gray

Locality: Mill Creek at junction of Vivian Creek, San Bernardino Mts.

County: S. Bern State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran ~~Arid Transition~~ Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies concolor, Quercus chrysolepis

Habitat: slope - open places

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4932 Date: 12 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Triphlinum involucratum Ort.

Locality: Vivian Creek, San Bernardino Mts.

County: S. Bern. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia andina, Lilium Parryi.

Habitat: meadow

Soil: alluvial wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: purplish

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4933 Date: 12 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia squarrosa (Trin.) Rydb.

Locality: Vivian Creek, San Bernardino mts.

County: S. Bern. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia andina

Habitat: meadow edge

Soil: alluvial wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4934 Date: 12 Aug 50

Remarks:

✓ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Muhlenbergia andina (Nutt.) Hitch.

Locality: Vivian Creek, San Bernardino
mts.

County: S. Bern. State: Calif. Elev. 7200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Muhlenbergia squarrosa

Habitat: edge of meadow

Soil: alluvial wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4935 Date: 12 Aug 50

Remarks:

rhizomes present

✓ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Melica aristata Thurb.

Locality: Vivian Creek, San Bernardino mts.

County: S. Bern. State: Calif. Elev. 7300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Abies Concolor

Habitat: open ~~flood~~ south slope among firs

Soil: _____ wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant Common Scattered Infrequent (Rare)

Collected by: J. C. Roos

Collection No. 4936 Date: 12 Aug 50

Remarks:

See #116 also

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Baccharis sarothroides Gray

Locality: Hodges Dam SW of Escondido

County: San Diego State: Calif. Elev. _____ ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Rhus laurina

Habitat: steep hillside

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 8 ft. Spread: 8 ft. Trunk diam. 2-3"

Flower Color: _____

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4937 Date: 19 Aug 50

Remarks:

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chrysopsis villosa sessiliflora (Nutt) Gray

Locality: Torrey Pines beach, San Diego

County: San Diego State: Calif. Elev. 15 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Haplopappus venetus vernonioides

Habitat: waste places back of beach

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 1 ft. Spread: 1 ft. Trunk diam.

Flower Color: rays yellow

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC & L. Roos

Collection No. 4938 Date: 19 Aug 58

Remarks:

V 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chenopodium

Locality: marsh at Torrey Pines beach, San Diego.

County: S. Diego State: Calif. Elev. 10 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Typha sp. Frankenia grandiflora

Habitat: salt marsh

Soil: _____ wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: _____

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC & L Roos

Collection No. 4939 Date: 19 Aug 58

Remarks:

mustard ✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name:

Locality: Torrey Pines beach, San Diego

County: S. Diego State: Calif. Elev. 20 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Haplopappus venetus var. vernonioides

Habitat: waste places behind beach

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: dull whitish

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC & L. Roos

Collection No. 4940 Date: 19 Aug 50

Remarks:

V 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Frankenia grandiflora C.+S.

Locality: marsh behind beach at Torrey Pines Park, San Diego

County: S. Diego State: Calif Elev. 15 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Baccharis viminea

Habitat: edge of salt marsh

Soil: saline, sandy wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: rose

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4941 Date: 19 Aug 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Corethrogyne filaginifolia var linifolia Hall.

Locality: Torrey Pines, ~~Ca~~

County: S. Diego State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Salvia Clevelandii

Habitat: Chaparral

Soil: _____ wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: pale lavender

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC & L. Roos

Collection No. 4942 Date: 19 Aug 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Salvia Clevelandii (Gray) Greene

Locality: Torrey Pines Park, San Diego

County: S. Diego State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus Torreyana

Habitat: chaparral

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 2 ft - Spread: 2 ft Trunk diam.

Flower Color: purple - blue

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JC + L Roos

Collection No. 4943 Date: 19 Aug 50

Remarks: foliage fragrant

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eragrostis

Locality: Alabama St. + San Bernardino St.
abt. 1 mi. NW of Redlands

County: San Bernardino State: Calif. Elev. ~~1200~~ 1300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Digitaria sanguinalis

Habitat: irrigated orange grove

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4944 Date: 22 Aug 50

Remarks:

✓ 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eriochloa gracilis (Fourn.) Hitch.

Locality: Highland, San Bernardino Valley

County: S. Bern. State: Calif. Elev. 1500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Digitaria sanguinalis, Amaranthus Palmeri

Habitat: irrigated orange orchar

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C. Roos

Collection No. 4945 Date: 22 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Atriplex rosea L.

Locality: Loma Linda along RR tracks

County: S. Bern. State: Calif. Elev. 1060 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: ~~0~~

Habitat: waste field

Soil: semi-alkaline wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant (Abundant) Common Scattered Infrequent Rare

Collected by: J C Roos

Collection No. 4946 Date: 23 Aug 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Aristida purpurea var. fendleriana Det by A.S. Hitchcock May 1932

Locality: 1 mi. E. of Yucca Station, Mojave Desert

County: S. Bern. State: Calif. Elev. 4000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus cryptandrus, Yucca brevifolia var Jaegeri, Hymenoclea salsola

Habitat: sandy slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4947 Date: 1 Sept 50

Remarks:

✓ 7

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus contractus Hitch

Locality: Valley Wells Station, Mojave Desert

County: S. Bern. State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus flexuosus, Franseria eriocentra, Gutierrezia [redacted] e lucida

Habitat: wash

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4948 Date: 1 Sept 50

Remarks:

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus flexuosus (Thumb.) Rydb.

Locality: Valley wells Station, Mojave Desert

County: S. Bern State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus contractus, Franseria eriocentra

Habitat: wash

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JCR

Collection No. 4949 Date: 1 Sept 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

ne: Bouteloua barbata Lag.

cality: Valley Wells Station Mojave Desert

unty: S. Bern State: Calif. Elev. 3700 ft.

fe Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

soc. Species: Sporobolus contractus, S. flexuosus, Franseria eriocentra

bitat: wash

il: sandy wet moist (dry)

posure: (sun) semishade shade N E S W

ant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

ight: Spread: Trunk diam.

ower Color:

minant Abundant (Common) Scattered Infrequent Rare

llected by: JCR

llection No. 4950 Date: 1 Sept 50

marks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Portulaca parvula Gray

Locality: ~~[illegible]~~ Valley Wells -
E. Mojave Desert.

County: S. Bern. State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chrysothamnus paniculatus
Bouteloua barbata, Amaranthus fimbriatus

Habitat: desert wash

Soil: sandy - wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow petals - drying reddish

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4951 Date: 1 Sept 50

Remarks:
semi-prostrate to reddish ascending stems, leaves
succulent, capsule circumcisile
seeds black densely granular, 0.5 mm. diam.
subfertile

V 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Allionia incarnata Lag.

Locality: Valley Wells, E. Mojave desert

County: S. Ber. State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus contractus, Franseria eriocentra,

Habitat: wash

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: pink, petals divided.

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4952 Date: 1 Sept 50

Remarks:
stems prostrate.

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Allionia incarnata L.

Locality: N. slopes Clark Mtn., E. Mojave desert

County: S. Bern State: Calif. Elev. 4200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Yucca brevifolia Jaegeri, Acamptopappus Shockleyi.

Habitat:

Soil: rocky (limestone) wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial?) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: deeper pink than 4952, ~~pedicels~~ scales longer, too

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4953 Date: 1 Sept 50

Remarks:

prostrate stem.

4954

~~Haplopappus~~ Viguiera ?

✓

10

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sanvitalia Aberti Gray.

Locality: ~~Wash Slope~~ Coliseum Mine,
Clark Mts., E. Mojave Desert
Calif.

County: S. Ber. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Agave utahensis nevadensis, Baileya multiradiata neomexicana
Pinus monophylla, Coleogyne ramosissima

Habitat: rocky slopes + washes

Soil: rocky, ~~loam~~ to sandy wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: rays yellow, drying straw

Dominant Abundant locally Common Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4954 Date: 1 Sept. 50

Remarks:

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bahia neomexicana Gray

Locality: Coliseum mine, Clark mts.

County: S. Bern. State: Calif. Elev. 5300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Brickellia incana, Bouteloua aristidoides, B. barbata

Habitat: sandy washes & slopes Gutierrezia lucida

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4955 Date: 1 Sept. 50

Remarks: heads conical & apex of cone below at attachment of peduncle.

(doesn't look like H. laricifolius var interior) which is also around here but not blooming now 12

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Haplopappus laricifolius Gray

Locality: Coliseum mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Juniperus utahensis, Yucca baccata, Coleogyne ramosissima, etc

Habitat: rocky south & east slopes Bouteloua curtipendula

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N (E) (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 1 ft. Spread: 2-3 ft. Trunk diam. several from base

Flower Color: yellow, rays about 4 / head

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JCR

Collection No. 4956 Date: 1 Sept 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Solanum triflorum nutt.

Locality: Colosseum mine, Clark Mts.

County: S. Bern State: Calif. Elev. 5300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium incanum, Eragrostis intiamensis

Habitat: old corral

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: White

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J.C.R.

Collection No. 4957 Date: 1 Sept 50

Remarks:

prostrate stems

✓ 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Amaranthus ~~Palmeri~~ Torreyi (Gray) Benth Wats

Locality: Colosseum mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5800 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Eragrostis ciliaensis, Chenopodium album, Solanum triflorum

Habitat: unused corral & open slopes

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: erect Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JCR

Collection No. 4958 Date: 1 Sept 50

Remarks:

Det P. A. Munz & T. H. Kearney

V 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bouteloua aristidoides (HBK) Griseb.

Locality: Colosseum mine Clark Mts.

County: S. Bern State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Brickellia incana, Bouteloua barbata.

Habitat: sandy wash

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JCR

Collection No. 4959 Date: 1 Sept 50

Remarks:

✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chenopodium incanum (Wats.) Heller

Locality: Colosseum mine Clark Mts.

County: S. Bern. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Amaranthus fporeyi
Eragrostis ciliaensis, Solanum Triflorum

Habitat: old corral

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JCR

Collection No. 4960 Date: 1 Sept 50

Remarks:

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eragrostis cilianensis (All.) Lutati.

Locality: Coliseum mine, Clark mts.

County: S. Bern State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chenopodium incanum, Solanum Xanthocarpum

Habitat: old corral

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4961 Date: 1 Sept 50

Remarks:

V 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Det. by A.C. Sanders May 1982

Name: Euphorbia setiloba Engelm.

Locality: Colosseum Mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Brickellia incana, Baileya neomexicana

Habitat: sandy wash

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: JCR.

Collection No. 4962 Date: 1 Sept 50

Remarks:

VCR

prostrate

✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Boerhaavia ~~leeta~~ triquetra Wats.

Locality: E. slopes Clark Mtn. 1½ mi. SE. Coliseum Mine

County: S. Bern. State: Calif. Elev. 5300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Tetradymia argyraea, Kallstroemia parviflora, Bouteloua curtipendula

Habitat: steep sandy east slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: whitish

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4963 Date: 2 Sept 50

Remarks:
internodes & gumming ring
Det. P.A. Munz

✓ 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Celtis Douglasii Planch.

Locality: E. slope Clark Mtn., 1½ mile SE of Coliseum mine.

County: S. Bern. State: Calif. Elev. 5000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chrysothamnus lucida, Fallugia paradoxa, Pinus monophylla

Habitat: near seep

Soil: rocky wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub shrub (tree) parasite saprophyte

Height: 18 ft. Spread: 20 Trunk diam. 8"

Flower Color:

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J C Roos

Collection No. 4964 Date: 2 Sept 50

Remarks:

See also # 4493

✓ 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tetradymia argyraea Munz & Roos

Locality: 1 mi. SE of Coliseum mine, ~~on~~ east slope Clark Mtn., E. Mojave desert

County: S. Bern. State: Calif. Elev. 5300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Fallugia paradoxa, Pinus monophylla, Artemisia nova.

Habitat: steep rocky slope

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 2 ft. Spread: 2 ft. Trunk diam.

Flower Color: pale yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4965 Date: 2 Sept 50

Remarks:

Only one bush found in bloom; the branches not in bloom are from other bushes.

✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chenopodium Fremontii Wats.

Locality: 1½ mi. So. of ~~Clark Mts.~~
Coliseum Mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia Nova, Gutierrezia linella,
Ephedra viridis

Habitat: sandy wash

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4966 Date: 2 Sept 50

Remarks:

4 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Frasera albomarginata Wats.

Locality: 1 mi. S of Coliseum mine,
Clark mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Juniperus utahensis
Solidago Petradoria

Habitat: rocky slope

Soil: limestone wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual ~~biennial~~ (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: _____ Spread: _____ Trunk diam. _____

Flower Color: whitish

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: JCR

Collection No. 4967 Date: 2 Sept 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus contractus Hitch.

Locality: Coliseum Mine, Clark mts.

County: S. Bern. State: Calif. Elev. 5400 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Sporobolus cryptandrus, Hutchinsia lucida

Habitat: sandy flat

Soil: " wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4968 Date: 2 Sept 50

Remarks:

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eupatorium herbaceum (Gray) Greene

Locality: 1½ mi. S. of Coliseum Mine, Clark Mts.

County: S. Bern. State: Calif. Elev. 5600 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Fallugia paradoxa, Yucca baccata

Habitat: among rocks

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial (perennial) climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: White

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: J.C.R.

Collection No. 4969 Date: 2 Sept 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Pappophorum Wrightii S. Wats.

Locality: South side Clark Mtn., E. Mojave desert.

County: S. Bern. State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Bouteloua gracilis, B. curtipendula
Pinus monophylla

Habitat: Ø benches & slopes

Soil: limestone wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: (annual?) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C.R.

Collection No. 4970 Date: 3 Sept 50

Remarks:

Leaves too short + involc. bracts not in 5 vertical rows; inner involc. bracts not glabrous; + ridges on branchlets not obscured by tomentum. Phyllaries not carinate. 12

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

Name: Lepidospartum latisquamum Wats. (Hall)

Locality: Canyon on south side Clark Mtn. NW of Mountain Pass

County: S. Bern. State: Calif. Elev. 6200 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Ephedra viridis, Eriogonum Heermannii var floccosum, Chrysothamnus (4972)

Habitat: rocky delta at junction of 2 washes

Soil: rocky, limestone wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: rounded, up to 5 ft Spread: 6 ft. Trunk diam. 3" ±

Flower Color: Yellow

Dominant Abundant (Locally Common) Scattered Infrequent Rare

Collected by: J.C. Roos Det. P.A. Munz

Collection No. 4971 Date: 3 Sept 50

Remarks: herbage somewhat fragrant when fresh; + branchlets supple - not rigid.

(See #4408, same locality 19 June 49 + same thing)

wide leaves, acute rival bracts 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chrysothamnus nauseosus var speciosus Nutt

Locality: Canyon on south side Clark Mtn.
NW of Mountain Pass

County: S. Bern State: Calif. Elev. 6200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chrysothamnus (4971) Pinus monophylla Ephedra viridis
Eriogonum Heermanni on floccosum,

Habitat: Rocky delta at jctn. of 2 washes

Soil: rocky, limestone wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: up to 6 ft. Spread: 7 ft. Trunk diam. 3"

Flower Color: orange-yellow

Dominant Abundant (locally Common) Scattered Infrequent Rare

Collected by: J. C. Roos Det P A Munz

Collection No. 4972 Date: 3 Sept 50

Remarks:
(same locality as 4971 — growing together)

See also #4407, same thing, Coll. 19 June 49.

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Artemisia Bigelovii Gray

Locality: S. side Clark Mts.

County: S. Bern. State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Ephedra viridis, Pinus monophylla, Spiraea caespitosa

Habitat: limestone bank

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 1 ft. Spread: 2 ft. Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: JCR.

Collection No. 4973 Date: 3 Sept 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia Watsonii Robinson

Locality: S. side Clark mts.

County: S. Bern. State: Calif Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Agave utahensis var nevadensis

Pinus monophylla

Habitat: Crevices in limestone banks.

Soil: limestone wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: 1 ft. Spread: 1 ft. Trunk diam.

Flower Color: yellowish-white

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C. Roos

Collection No. 4974 Date: 3 Sept 50

Remarks:

aromatic foliage

5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Bouteloua eriopoda Torr.

Locality: S. side Clark mtn.

County: San Bern. State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran ~~Arid Transition~~

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla, Agave utahensis nevadensis, Eriogonum Fremontii glaucum

Habitat: limestone ledges

Soil: rocky wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4975 Date: 3 Sept 50

Remarks:

Culms semiprostrate

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Euphorbia exstipulata Engelm.

Locality: S. side Clark Mtn.

County: S. Bern. State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Boutelova gracilis, B. curtipendula

Habitat: rocky slope

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4976 Date: 3 Sept 50

Remarks: UCR

mint or Scroph. Hedeoma? 4. c Keystone Com. coll.

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

2 Dot Photo.

Name: Hedeoma nana subsp. californica Stewart

Locality: crevices in limestone bank, S. side Clark Mtn.

County: S. Bern. State: Calif. Elev. 6000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Brickellia Watsonii, Pinus monophylla

Habitat: as above

Soil: rock wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual (biennial) perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: ?

Dominant Abundant Common Scattered (Infrequent) Rare

Collected by: JCR

Collection No. 4977 Date: 3 Sept 50

Remarks:
VCR past flowering season

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Tragia ramosa Torr.

Locality: S. side Clark Mtns.

County: S. Bern State: Calif. Elev. 6100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus monophylla

Habitat: gravelly wash

Soil: gravel wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J.C.R.

Collection No. 4978 Date: 3 Sept 50

Remarks:

stinging foliage like nettle

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eriogonum Heermannii var floccosum Munz

Locality: S. side Clark Mtn.

County: S. Bern. State: Calif. Elev. 6100 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Prunus fasciculata, Pinus monophylla, Juniperus utahensis

Habitat: gravelly wash

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 1½ ft. Spread: 2 ft. Trunk diam.

Flower Color: whitish

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4979 Date: 3 Sept 50

Remarks:

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Boerhaavia Coulteri (Hook F.) Wats.

Locality: Valley Wells, E. Mojave desert

County: S. Bern State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chrysothamnus paniculatus, Franseria dumosa

Habitat: dry sandy wash

Soil: wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos Det. P. A. Munz

Collection No. 4980 Date: 3 Sept 50

Remarks:

gummy internodes

✓ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Amaranthus fimbriatus (Torr) Benth.

Locality: Valley Wells, E. Mojave desert Calif.

County: S. Bern. State: Calif. Elev. 3700 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chrysothamnus paniculatus
Franseria eriocentra

Habitat: dry desert wash

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4981 Date: 3 Sept 50

Remarks:

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Sporobolus contractus Hitchc.

Locality: Mountain Pass, Clark mts.,

County: S. Bern. State: Calif. Elev. 5000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Aristida gracilis, Eriocoma transiens

Sporobolus cryptandrus

Habitat: sandy wash

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4982 Date: 3 Sept 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Grindelia apharactis Rydb. Det P.A.M.

Locality: Mountain Pass, Clark Mts.

County: S. Bern State: Calif. Elev. 5000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Haplopappus gracilis

Salsola Kali tenuifolia

Habitat: sandy roadside

Soil: [illegible] wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: yellow

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4983 Date: 3 Sept 50

Remarks: VCR

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Ammobroma sonorae Torr

Locality: Algodones Sand Dunes west of Yuma

County: Imperial State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Eriogonum desertícola

Habitat: sand hollows, etc

Soil: sandy wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common Scattered Infrequent Rare

Collected by: J & L. Roos

Collection No. 4984 Date: 7 Apr 49

Remarks:

These are dry specimens from previous season ~~year~~

3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eriochloa gracilis (Fourn) Hitch.

Locality: San Bernardino St. & Barton Ave., Loma Linda

County: S. Bern. State: Calif. Elev. 1200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Cynodon dactylon

Habitat: drainage ditch

Soil: alluvial wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4985 Date: 9 Sept 50

Remarks:

✓ 8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: Mt. Rubidoux, Riverside

County: Riverside State: Calif. Elev. 1300 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia californica

Habitat: ~~On~~ around and on boulders

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 1-3 ft. Spread: 1-3 ft. Trunk diam.

Flower Color: yellowish-green

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos + L. Roos

Collection No. 4986 Date: 9 Sept 50

Remarks:

5

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Chloris gayana Kunth.

Locality: Santa Monica Blvd. & Midvale Ave, Los Angeles

County: L.A. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Festuca elatior, Picris echioides

Habitat: ~~packing station~~, along sidewalk

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant (locally Common) Scattered Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4987 Date: 16 Sept 50

Remarks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS

FIELD LABEL

Name: ~~Festuca~~ Agrostis alba L. var. stolonifera (L.) J.E. Smith
Det. L.R. Toolin

Locality: Santa Monica Blvd. & Midvale Ave. & Los Angeles

County: L.A. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Chloris gayana, Picris echioides

Habitat: along sidewalk

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N E S W

Plant type: annual biennial (perennial) climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. C. Roos

Collection No. 4988 Date: 16 Sept 50

Remarks:
no rhizomes apparent

UCR

✓

4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Digitaria ischaemum (Schreb.) Muhl.

Locality: ~~Santa Monica Blvd. & Midvale Ave~~, Los Angeles, 1700 Westwood Blvd.

County: L.A. State: Calif. Elev. 200 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: edge of lawn

Soil: clay wet (moist) dry

Exposure: (sun) semishade shade N E S W

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J.C. & A.R. Roos

Collection No. 4989 Date: 16 Sept. 50

Remarks:

✓ 4

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Hydrocotyle umbellata L.

Locality: Loma Linda,

County: S. Bern. State: Calif. Elev. 1100 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: mud & shallow water at edge of stagnant pond

Soil: wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: whitish

Dominant Locally Abundant Common Scattered Infrequent Rare

Collected by: J. C. Roos

Collection No. 4990 Date: 22 Sept. 50

Remarks:

✓ 3

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Oxytheca Parishii Parry.

Locality: San Bernardino Mts., jctn.
Deep Creek & Hook Creek

County: S. Bern. State: Calif. Elev. 4750 ft.

Life Zone: Lower Sonoran Upper Sonoran (Arid Transition)
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Pinus ponderosa, P. Sambertiana

Habitat: dry slope

Soil: sandy wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: (annual) biennial perennial climbing bulbous
undershrub shrub tree parasite saprophyte

Height: Spread: Trunk diam.

Flower Color: white

Dominant Abundant (Common) Scattered Infrequent Rare

Collected by: John & Lucille Roos

Collection No. 4991 Date: 23 Sept. '50

Remarks:

✓ 2

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Eriogonum giganteum Wats.

Locality: Rancho Santa Ana Botanic Garden

County: Orange State: Calif. Elev. 450 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species:

Habitat: B

Soil: wet moist dry

Exposure: sun semishade shade N E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 3 ft Spread: 3 ft. Trunk diam.

Flower Color: whitish

Dominant Abundant Common Scattered Infrequent Rare

Collected by:

Collection No. 4992 Date: 25 Sept. '50

Remarks:

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: N-W foot Blue Mtn., east end De Berry St., midway between Loma Linda + Highgrove.

County: San Bern. State: Calif. Elev. 1250 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia californica, Salvia mellifera, Encelia farinosa

Habitat: On + by granite boulders

Soil: _____ wet moist (dry)

Exposure: (sun) semishade shade N E S (W)

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 3 Spread: 4 Trunk diam. _____

Flower Color: _____

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J + L. Roos

Collection No. 4993 Date: 30 Sept. '50

Remarks:

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: N. base Pigeon Pass, Box Springs Mts.

County: Riverside State: Calif. Elev. 1500 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia californica

Habitat: crevices in boulders

Soil: granite wet moist (dry)

Exposure: (sun) semishade shade (N) E S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 4 ft Spread: 4 ft. Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4994 Date: 30 Sept. 50

Remarks:

3 mi. N. Elsinore

V

8

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: Rocky hills near Highway 395
~~mi. N. of Elsinore~~ 3 miles N-NE of Elsinore (midway between Steele Peak & Elsinore)

County: Riverside State: Calif. Elev. 1600 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Encelia farinosa, Artemisia californica, Salvia mellifera

Habitat: on & by granite boulders

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 4 ft. Spread: 4 ft. Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4995 Date: 30 Sept. 50

Remarks:

6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: Box Springs Grade 0.5 mi SE of Citrus Experiment Station

County: Riv. State: Calif. Elev. 1300 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Encelia farinosa, Artemisia californica

Habitat: by + on granite boulder

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N E (S) W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 3 ft. Spread: 4 ft. Trunk diam.

Flower Color:

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J + L. Roos

Collection No. 4996 Date: 30 Sept. 50

Remarks:

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

: Digitaria sanguinalis (L) Scop.

lity: 163 West Barton, Grand Terrace

ty: S. Bern State: Calif. Elev. 1000 ft.

Zone: Lower Sonoran Upper Sonoran Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

c. Species: Eragrostis mexicana

tat: irrigated garden

: loamy wet (moist) dry

sure: sun (semishade) shade N E S W

t type: (annual) biennial perennial climbing bulbous

undershrub shrub tree parasite saprophyte

ght: Spread: Trunk diam.

wer Color:

inant Abundant (Common) Scattered Infrequent Rare

lected by: J. & L. Roos

lection No. 4997 Date: 7 Oct 50

arks:

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Haplopappus Palmeri var. gracilepis (Hall) Munz

Locality: W. end Palm Ave., at foot of hills, 2 mi. South of Colton

County: S. Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran Upper Sonoran Arid Transition
Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia californica, Encelia farinosa

Habitat: hillside

Soil: clay wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial perennial climbing bulbous
undershrub (shrub) tree parasite saprophyte

Height: 3 Spread: 3 Trunk diam.

Flower Color: yellow

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4998 Date: 7 Oct. 50

Remarks:

✓ 6

BOTANICAL COLLECTIONS OF JOHN C. ROOS
FIELD LABEL

Name: Brickellia desertorum Cov.

Locality: Hills at west end of Palm Ave.,
Grand Terrace 2 mi. S. of Colton

County: S. Bern. State: Calif. Elev. 1000 ft.

Life Zone: Lower Sonoran (Upper Sonoran) Arid Transition

Humid Transition Canadian-Hudsonian Arctic-Alpine

Assoc. Species: Artemisia californica,
Encelia farinosa

Habitat: ~~flat~~ by granite boulders

Soil: rocky wet moist (dry)

Exposure: (sun) semishade shade N (E) S W

Plant type: annual biennial perennial climbing bulbous

undershrub (shrub) tree parasite saprophyte

Height: 4 Spread: 4 Trunk diam.

Flower Color: yellowish-white

Dominant Abundant Common (Scattered) Infrequent Rare

Collected by: J. & L. Roos

Collection No. 4999 Date: 7 Oct 50

Remarks: